

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

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Surface Water

(issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

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Ground Water

(issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
February 13, 1992	G2-28401		

NAME	Gordon Moore		
ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
SE 1160 Binn Swiger Loop	Shelton	Washington	98584-9312

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
A well
TRIBUTARY OF (SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	36.8	4.5

QUANTITY, TYPE OF USE, PERIOD OF USE		
4.5 acre-feet per year	Multiple domestic supply	Year-round, as needed

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
500 feet south and 250 feet east of the northwest corner of Section 19.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
NW¼NW¼	19	20	2W	14	Mason

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The west 631.62 feet of the north half of the northwest quarter of the northwest quarter of Section 19, T. 20 N., R. 2 W.W.M.

DESCRIPTION OF PROPOSED WORKS

A well, 8" x 297'

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:

Started

COMPLETE PROJECT BY THIS DATE:

Completed

WATER PUT TO FULL USE BY THIS DATE:

September 1, 1995

REPORT

BACKGROUND:

On February 13, 1992 Gordon Moore filed for a permit under the provisions of Chapters 90.03 and 90.44 Revised Code of Washington (RCW), to appropriate public ground water from a well. A withdrawal rate of 36.8 gallons per minute was requested for multiple domestic supply. The application number is G2-28401.

A legal notice of the proposed withdrawal was published in the *Shelton-Mason County Journal*. No protests were received as a result of the public notice.

INVESTIGATIONS:

In consideration of this application, Marie Peter and Vicki Windust conducted a field examination on July 18, 1993. Other investigations included a review of recorded water rights, claims, and information submitted with the application.

Site Description

The project site is located north of Shelton, in Mason County, Washington. The surrounding area is mostly undeveloped, but residential development is increasing throughout the rural parts of the county.

The intent of this application is to secure water rights for the domestic supply of nine single family homes. At the time of the site visit the well and associated water system were in place, a couple of homes are currently served by the system.

Well Construction

Depth: 297 feet
Casing size: 8-inches
Static level: 135 feet
Surface elev: 200 feet above sea-level
Screens: unknown
Driller: Bedell Pump & Drilling
Drill date: February 1985

The well is equipped with two 3 horsepower submersible pumps capable of producing the requested withdrawal rate.

Discussion

The project site is situated on the Agate Peninsula. Hammersley Inlet is a mile south of the site, forming the peninsula's southern boundary.

In this region the major areas of ground water use are concentrated along Hammersley Inlet and Pickering Passage. The majority of wells on record are located within 50 feet of sea level. Most wells tap fairly productive aquifers located in the Vashon-aged advance outwash, which occurs below the regional water table. The predominate material at the project site is glacial till.

Public water systems in the area include the Timber Lake community system to the northeast of the site, and the View Crest Beach water system to the south. Combined these systems are authorized the withdrawal of 605 gallons per minute, and 403 acre-feet per year.

Report Continued

There are approximately 50 wells located within a half mile radius of the project site. Most are similar in construction to the Moore well, drawing water from layers of sand and gravel at approximate depths of 150 to 300 feet.

Development of ground water in this area is primarily for the supply of rural homes and small public water systems. Given the relatively low water requirements of this system, and the spacing of neighboring wells, I do not anticipate adverse impact to other water users.

Water Requirements

The water requirement for domestic system should not exceed an average daily use of 450 gallons per day per home, or 4.5 acre-feet per year for a total of nine homes.

CONCLUSIONS:

In accordance with Chapters 90.03 and 90.44 RCW, I find there is water available for appropriation from the source in question, that the appropriation is for a beneficial use, and will not impair existing rights or be detrimental to the public welfare.

RECOMMENDATIONS:

I recommend approval of this application and issuance of a permit to allow appropriation of 4.5 acre-feet per year, 36.8 gpm from a well for multiple domestic supply of nine homes. The period of use is year round as needed.

The permit shall be subject to the following provisions:

PROVISIONS:

The water appropriated under this application will be used for public water supply. The State Board of Health rules require public water supply owners to obtain written approval from the Office of Water Supply, Department of Health, Mail Stop LD-11, Building 3, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply system.

This permit may be subject to implementation of the minimum requirements established in the Interim Guidelines for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology and Conservation Programs, July 1990, and as revised.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the State's water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this permit, the applicant may be required to prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through -040 (installation, operation, and maintenance requirements are attached). Meter readings shall be recorded at least monthly.

The applicant is advised that notice of proof of appropriation of water (under which the final certificate of water right is issued) should not be filed until the permanent diversion facilities have been installed, and the system is currently in use. This includes installation of a mainline system capable of delivering the recommended quantity of water to an existing or proposed distribution system within the area to be served, and fulfillment of all other terms of this permit.

REPORTED BY: J VanHulle Date: July 25, 1994

The statutory permit fee for this application is \$20.00.